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TI Production of phenylene group-containing copolymers - comprises copolymerising phenylene group-containing compounds in presence of catalysts containing transition metal compounds.

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The production of phenylene group-containing copolymers comprises copolymerising (a) at least 2 phenylene group-containing compounds of formula (I) in the presence of (c) catalysts containing transition metal compounds. In (I), X = -CYY'- or fluorenylene; Y, Y' = halogenated alkyl, H or aryl; R1-R8 = H, halogen, alkyl, halogenated alkyl, allyl or aryl; R9, R10 = halogen or -OSO2Z; and Z = alkyl, halogenated alkyl or aryl.

USE - The copolymers are useful as electronic materials and optical materials.

ADVANTAGE - The copolymers have good heat resistance, processability and transparency, low dielectric property and are soluble in organic solvents.

Dwg.0/6

